

Peak District National Park

Forecast valid from 06:00 on Thursday 10 Aug 2023 until 23:59 on Friday 11 Aug 2023

Forecast Issued on Thursday 10 Aug 2023 at 01:23

Confidence: High confidence for brief warm spell Thursday and for the return to cooler and more unsettled conditions through the weekend. Lower confidence in shower detail.

Headline for Thursday 10 Aug 2023: Largely dry, with long sunny spells after early cloud clears. Feeling very warm.

Mountain weather hazards on Thursday 10 Aug 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

No Likelihood

Strong sunlight

High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Sunny intervals	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)
Precipitation probability					
<05%	<05%	<05%	10%	30%	20%

Forecast for Thursday 10 Aug 2023

Weather: Rather cloudy to start, but sunny spells developing through the morning. Remaining largely dry in the afternoon with sunny intervals and feeling very warm. However, scattered cloud may bubble up later in the afternoon, bringing the risk of the odd heavy shower late in the day.

Chance of cloud-free hill tops above 600m: 90%

Low cloud and visibility: Cloud generally above the summits, with good or very good visibility. Perhaps reducing to few km if any showers develop later, with patches of cloud 600-700m. .

Forecast for Thursday 10 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/14 S	13/17 S	13/18 S	14/20 S	14/19 S	17/25 S	16/24 SW
300	8/12 SE	11/16 S	11/17 S	11/18 S	11/19 S	11/20 S	11/18 S
Valley	5/10 E	8/15 S	9/17 S	9/18 S	8/18 S	8/21 S	7/18 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/16	17/15	19/17	20/18	20/18	18/15	16/13
300	19/18	20/18	22/20	23/22	22/22	20/19	18/17
Valley	18/18	21/20	23/22	24/24	23/23	21/20	18/18
Freezing Level*	3600m	3600m	3500m	3300m	3200m	3400m	3600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

UV levels are expected to be moderate to high in bright or sunny spells, so sun protection is advisable. Warm temperatures bring a risk of dehydration and heat stress, especially on long climbs.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 10 Aug 2023	0mm	0mm	0mm

Forecast for Friday 11 Aug 2023

Weather: Cloudy overnight, with a few outbreaks of rain, mostly light. Cloud clearing eastwards on Friday morning, allowing sunny spells to develop, but also a few showers. These are expected to blow through quickly given the fresh and blustery winds, before dying away in the evening.

Maximum wind: Southwesterly 15-20 mph, gusting 25-30 mph.

Chance of cloud-free hill tops above 600m: 20%, improving to above 90% during the morning.

Low cloud and visibility: Low cloud, with bases around 400-600m, will clear through the morning. Scattered cloud through the rest of the day will generally be above all hills. Visibility good or very good, but moderate to poor in overnight rain and showers.

Temperature: **Valleys:** Plus 16 Celsius, rising to Plus 24 Celsius.
At 600m: Plus 15 Celsius, rising to Plus 19 Celsius.
Freezing level: Well above summits.